



Building Management and Maintenance Series - 1.4 CEUs*

All facilities will require a certain amount of upkeep, and will definitely require repairs. Learn more about facility up keeping here, in the Building Management and Maintenance series of modules.

Building Management Principles - 0.2 CEUs

Risk Management

- General Liability
- Fire Prevention, Detection, and Protection
- Life Safety Code

Preventive Maintenance

- Planning
- Scheduling
- Monitoring

Chemical Storage

- Basic Chemical Segregation
- Safe Chemical Storage
- Storage Time Limits

Cleaning Services

- Cleaning Supply Storage and Management
- Common Areas
- Elevators
- Pools and Pool Decks

Facility Maintenance

- Building Codes
- Security
- Disaster Preparedness

Building Utilities and Boilers - 0.4 CEUs

Utilities

- Boilers
- Electrical
- HVAC and Refrigeration
- Plumbing

Combustion Fundamentals

- Combustion Fundamentals
- Combustion Process
- Burners and Controls

Boiler Types and Classification

- Hydronic (Hot Water) Boiler System
- Steam and Condensate Boiler System
- Steel and Cast Iron Boilers

Boiler Operation

- System Operation
- System Shutdown
- System Startup
- Steam and Hot Water Control Settings

Boiler Systems

- Boiler Room Terminology
- Major Components
- Valves and Identification

Boiler Blowdown

- Types of Blowdown
- Blowdown Procedure
- Water Quality

Safety Valves

- Valve Identification and Terminology
- Valve Applications

Boiler System Controls

- Common Controls

Boiler Management Control Systems

- Basic Flame Safeguard System
- Sequence of Operation
- Circuit and Interlock Controls
- Flame Loss Sequence
- Burner Shutdown
- Troubleshooting

General Inspection and Repairs - 0.5 CEUs

Cleaning Drains

- Floor, Sink, and Lavatory Drains

Faucet Repair

- Leaking Pipes
- Leaking Toilets and Urinals

Pipe Repair and Replacement

- Terminology and Tools
- Repairs

Basic Masonry

- Terminology and Tools
- Repair

Drywall, Doors and Locks

- Drywall and Door Repair
- Locks

HVAC Fundamentals

- HVAC Overview
- HVAC Equipment
- HVAC Systems

Basic HVAC Maintenance

- HVAC Systems
- Refrigeration Cycle
- Window-Mounted Units

Elevators I

- Types of Elevators
- Service
- Fireman's Recall System

Elevators II

- Test and Codes
- Handicap and ADA Compliance

Overhead Door Controls

- Overhead Door Components
- Manual Operation
- Lubrication
- Limit Adjustment

Roofing, Walls and Balconies

- Fire Control Systems
- Balcony Inspections
- Roofing Materials and Usage
- Rooftop Tanks

Building Electrical Maintenance - 0.3 CEUs

Overview of Electrical Systems

- Facility Power Distribution Systems and Equipment
- How the Power Grid Works

Electrical Control Circuits

- Control Circuit Diagrams
- Control Circuit Logic

Electrical Tools and Test Equipment

- Common Electrician's Tools
- Standard Test Equipment

Electrical Distribution Components

- Terminology
- Conductors
- Conduits and Raceways
- Circuit Breaker Panel and Load Centers

Receptacles and Lighting

- Outlet and Lighting Circuits
- Feeders vs. Branch Circuits
- Switching Circuits